

IN THE CLAIMS:

1. – 17. (Cancelled)

18. (Original) An implantable medical device comprising:
means for sensing cardiac depolarizations;
means for pacing; and
means for controlling the means for pacing according to a selected mode,
wherein one selectable mode is a fully inhibited DDI (FIDDI) mode.

19. (Original) The implantable medical device of claim 18, further comprising
mode supervising means.

20. (Original) The implantable medical device of claim 18, further comprising:
means for implementing the FIDDI mode to conduct facilitated atrial pacing threshold
testing.

21. (Original) The implantable medical device of claim 18, further comprising:
means for mode switching from the FIDDI mode to another mode when
intrinsic conduction is insufficient.

22. (Original) The implantable medical device of claim 21, wherein intrinsic
conduction is insufficient if FIDDI delivers a ventricular pacing pulse.

23. (Original) The implantable medical device of claim 21, further comprising
mode supervising means that monitor ventricular activity over a plurality of cardiac
cycles and determine when intrinsic conduction is insufficient based on a
predetermined pattern of monitored cardiac cycles that lack ventricular activity.

24. – 25. (Cancelled)

26. (Original) An implantable medical device comprising:
a controller;
a ventricular lead operably coupled to the controller and configured to deliver ventricular pacing pulses and sense ventricular depolarizations;
an atrial lead operable coupled to the controller and configured to deliver atrial pacing pulses and sense atrial depolarizations; and
a memory including a plurality of algorithms defining pacing modalities selectable by the controller, wherein one of the pacing modalities is fully inhibited DDI.

27. – 54 (Cancelled)